

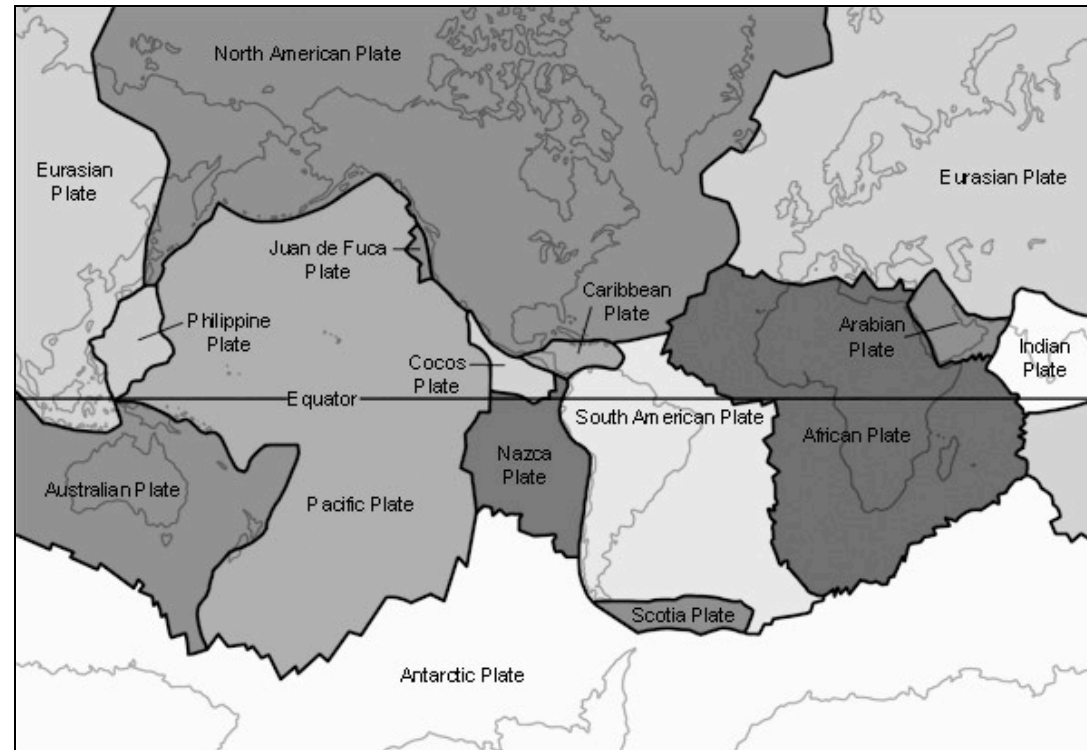


# 6.10CD Tectonic Plates

## Picture Vocabulary

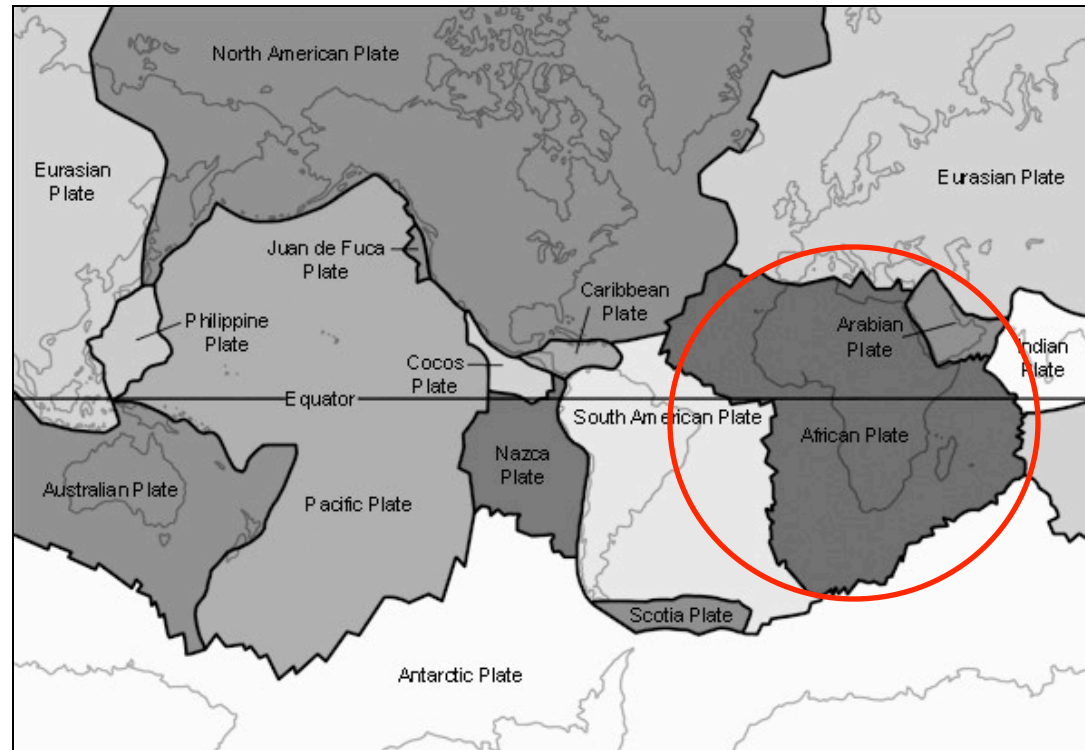


# Tectonic Plates



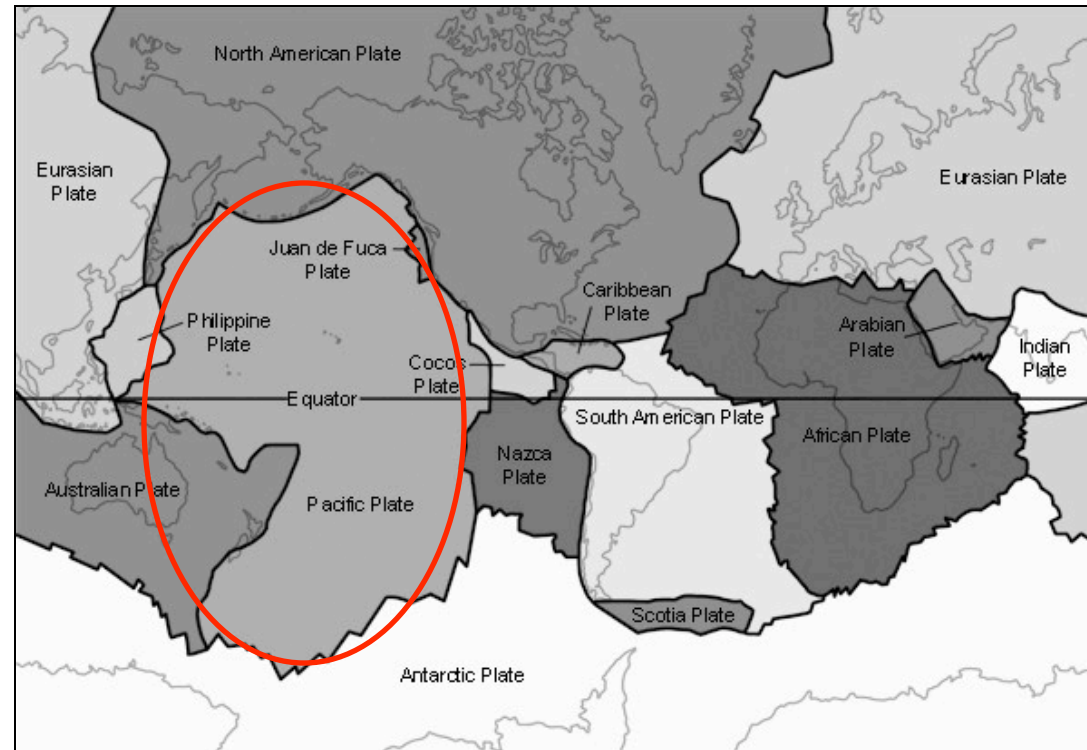
Huge pieces of lithosphere that slowly move on the asthenosphere, and consist of the crust and the rigid, uppermost part of the mantle

# African Plate



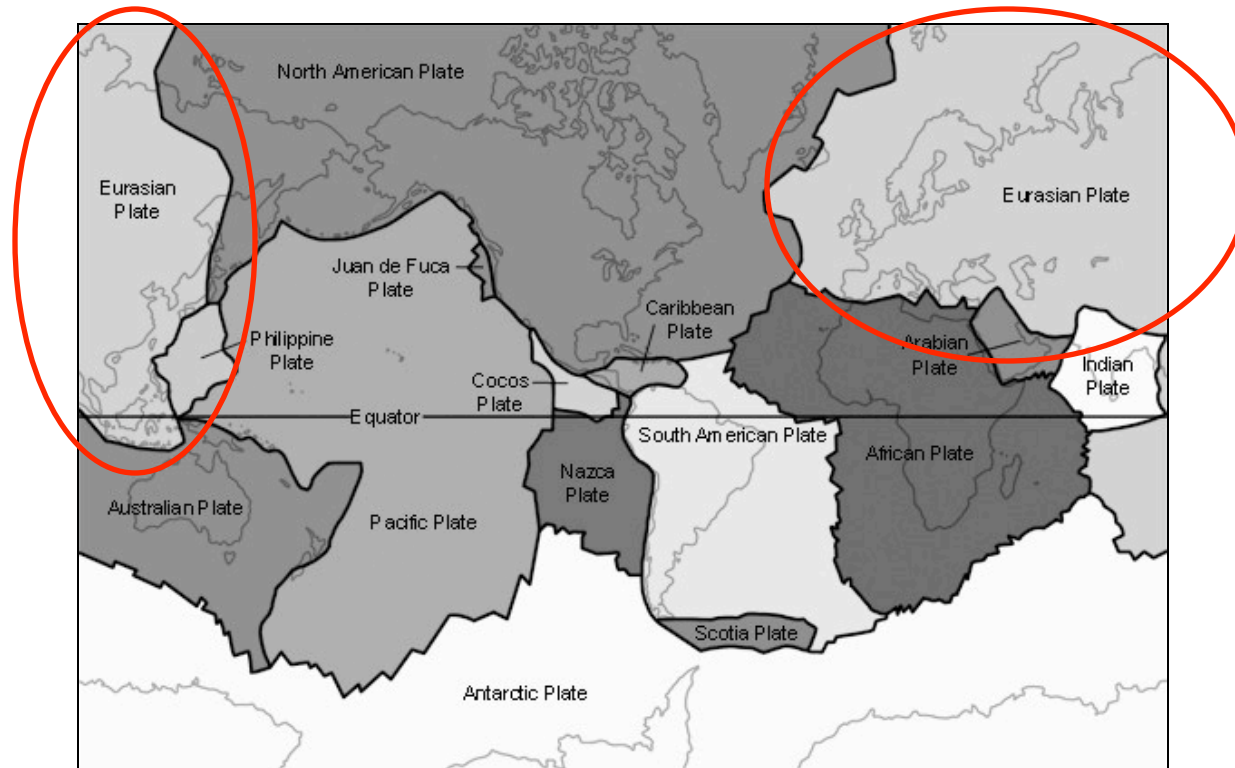
A tectonic plate division of the lithosphere, including the continental crust of Africa and surrounding oceanic crust

# Pacific Plate



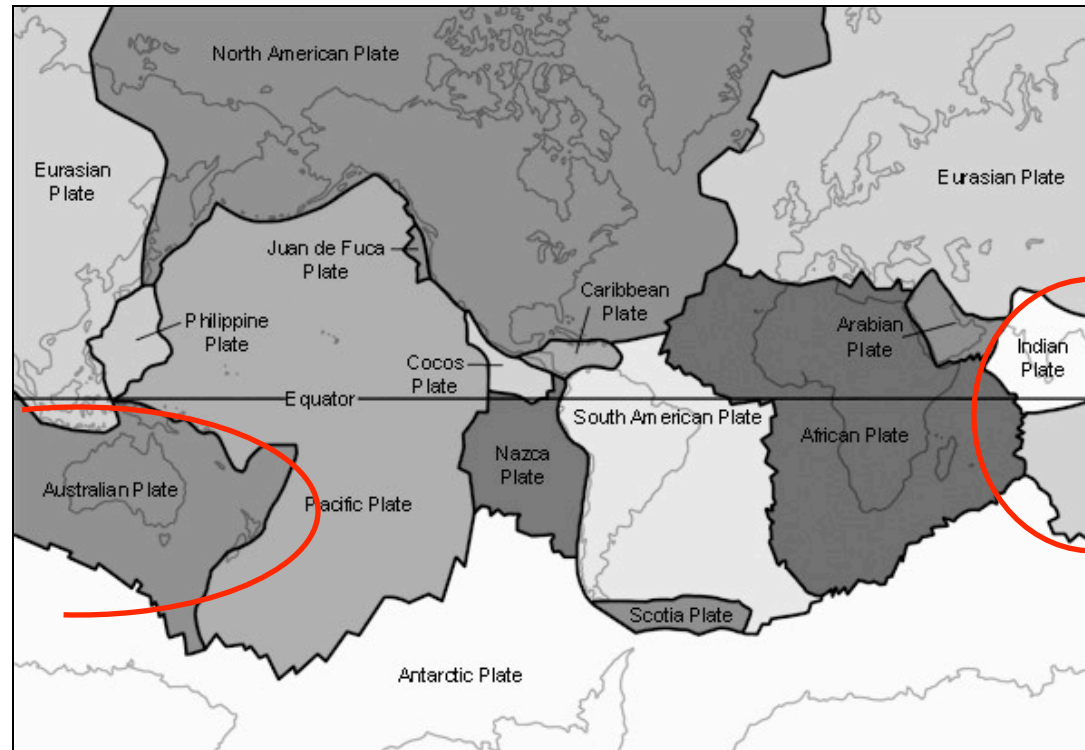
A tectonic plate division of the lithosphere that is composed entirely of oceanic crust, lies beneath the Pacific Ocean

# Eurasian Plate



A tectonic plate division of the lithosphere, including most of landmasses of Europe and Asia

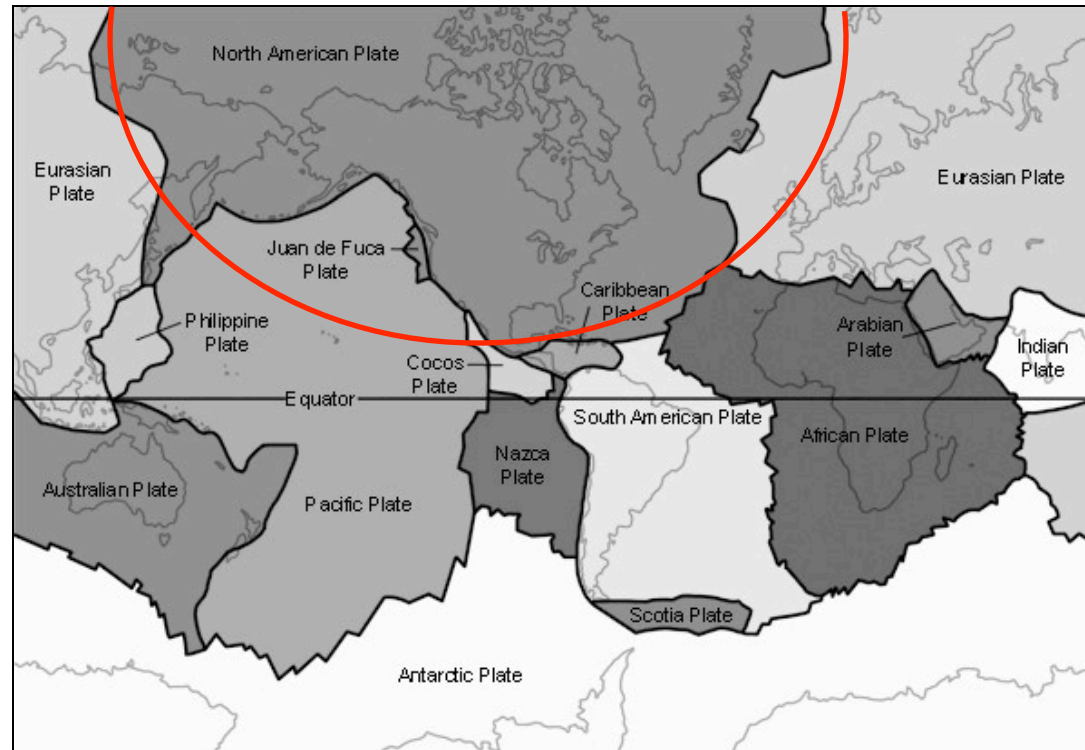
# Indo-Australian Plate



A tectonic plate division of the lithosphere including the continental crust of India and Australia and the surrounding oceanic crust

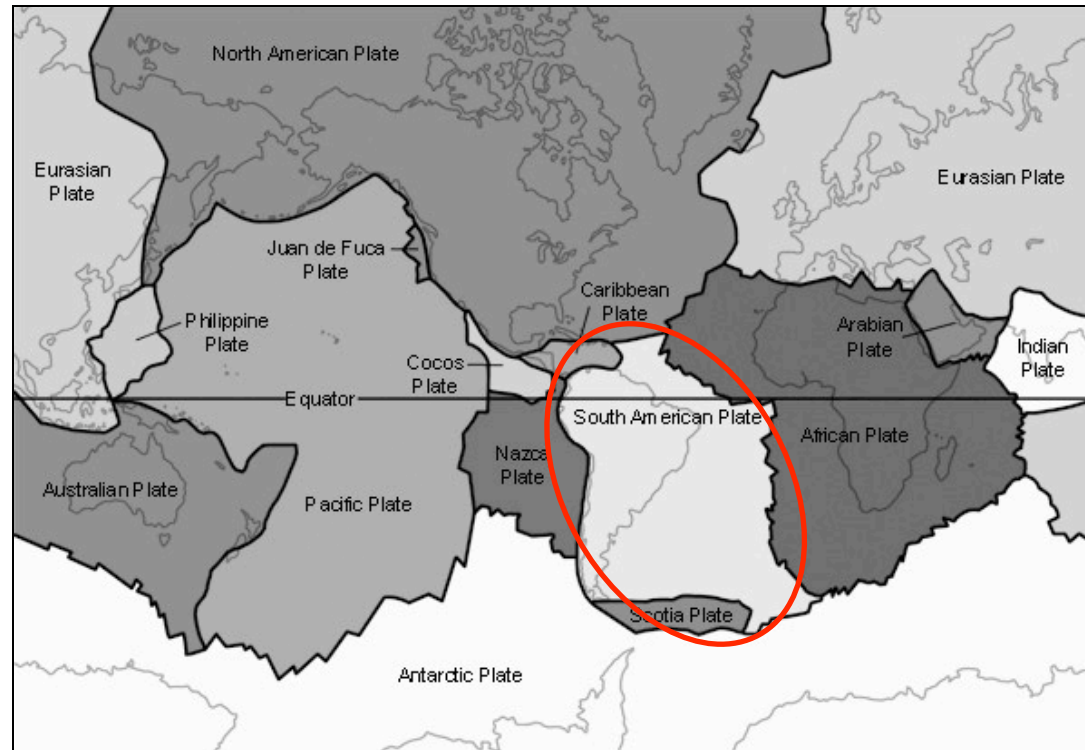


# Northern American Plate



A tectonic plate division of the lithosphere, including the continental crust of Greenland, North America, Siberia, and the surrounding oceanic crust

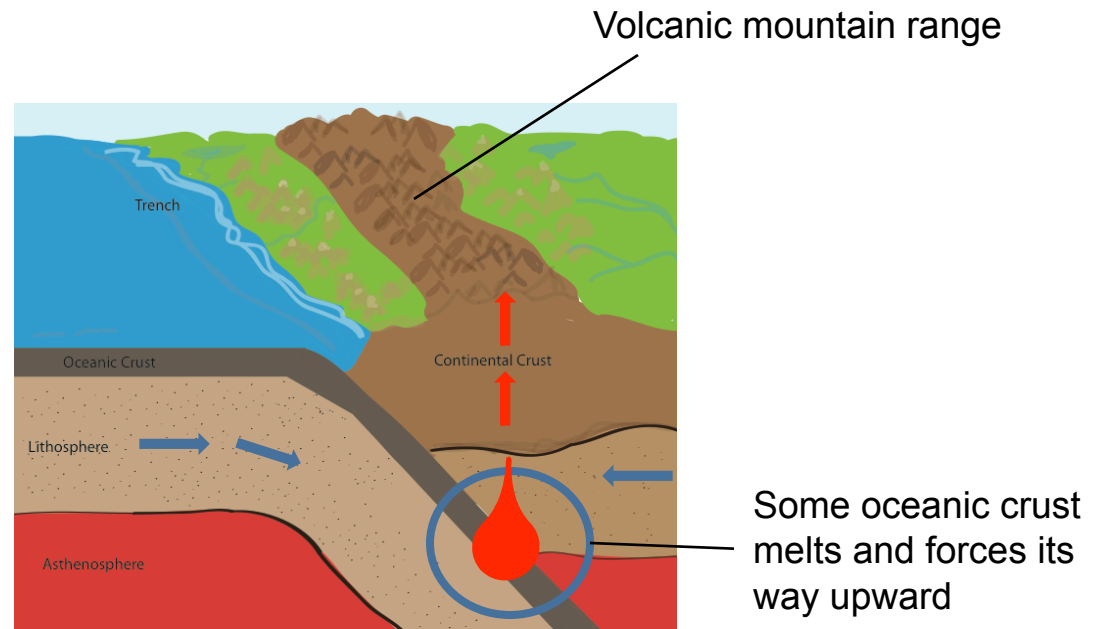
# South American Plate



A tectonic plate division of the lithosphere, including the continental crust of South America and oceanic crust extending to the Mid-Atlantic ridge



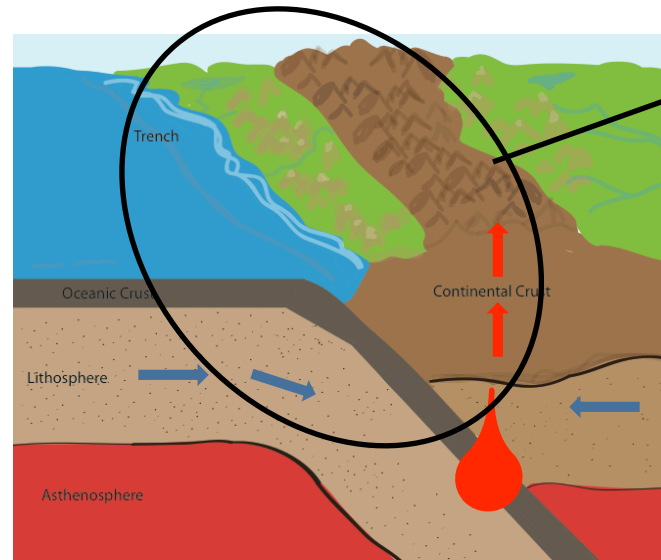
# Volcanic Eruptions



Major geological events that occur when a dense plate subducts below a less dense plate as they converge

# Subduction

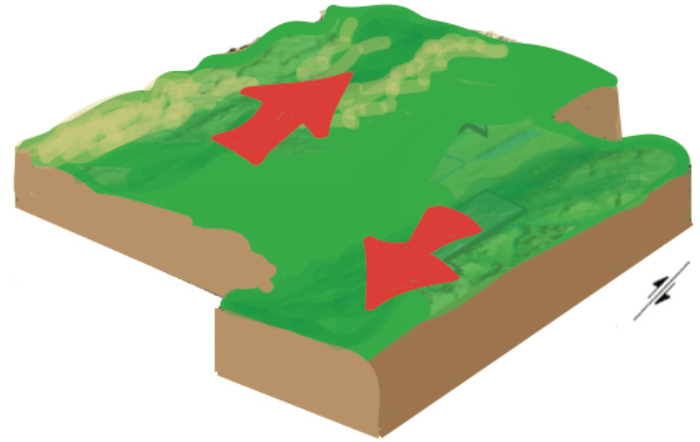
Note the formation of a trench within the Subduction Zone



Subduction Zone

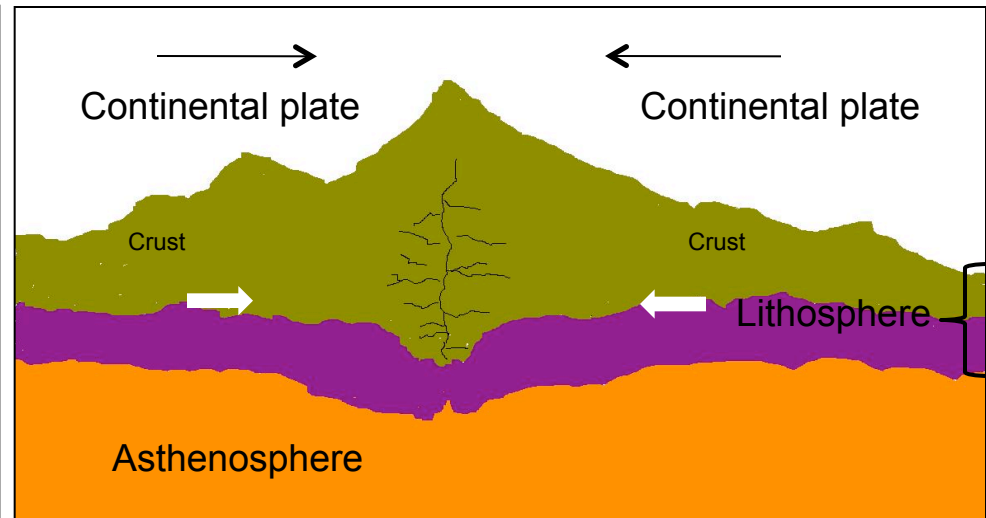
Occurs when one plate is denser than another and is forced below as the two plates converge at their boundary

# Earthquakes



Major geological events that occur when plates shift suddenly and release stored energy;  
a frequent occurrence at transform boundaries

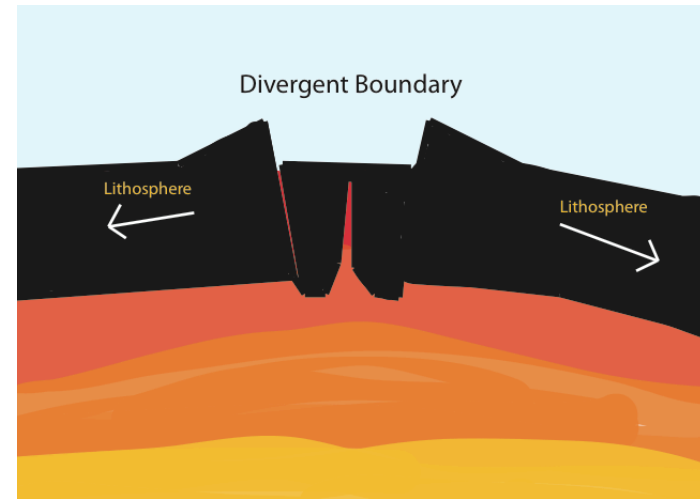
# Mountain Building



Major geological event that occurs when continental plates of equal density converge



# Ocean Basins



Movement of plates create dense oceanic crust that sinks lower in the asthenosphere than the less dense continental crust, resulting in depressions on Earth's surface that fill with water